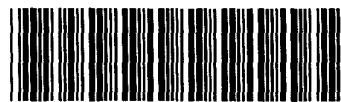0420

OIPE

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/060,066**

DATE: 03/11/2002 02/22/2002
TIME: 11:38:41

Input Set : **N:\Crf3\02222002\J060066.raw**
Output Set: **N:\CRF3\03112002\J060066.raw**

```
 1 <110> APPLICANT: Abuin, Alejandro
 2        Zambrowicz, Brian
 3        Sands, Arthur T.
 4 <120> TITLE OF INVENTION: NOVEL MUTATED MAMMALIAN CELLS AND
 5        ANIMALS
 6 <130> FILE REFERENCE: LEX-0304-USA
 7 <140> CURRENT APPLICATION NUMBER: US/10/060,066
 8 <141> CURRENT FILING DATE: 2002-01-29
 9 <150> PRIOR APPLICATION NUMBER: US 60/265,574
10 <151> PRIOR FILING DATE: 2001-01-31
11 <160> NUMBER OF SEQ ID NOS: 248
12 <170> SOFTWARE: FastSEQ for Windows Version 4.0
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 297
16 <212> TYPE: DNA
17 <213> ORGANISM: Mus musculus
18 <400> SEQUENCE: 1
19        gactgagatt aagaagctct gtgaccgcgt agcttcctct acgttactgg atgaccgaag 60
20        aaatgctgta cgtgccctta aatcactctc taagaaatac cgcttagaag tgggaatcca 120
21        agctatggaa catcttatcc atgtttttaca aacagatcgg tcctgagttc aaatcccagc 180
22        aaccacatgg tggcctcata accatccgta acgaaatctg atgccctctt ctggaatgtc 240
23        tgaagacagc tacagtgtaa ttatatatag taaataaata aatattttta aaaaatg    297
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 656
27 <212> TYPE: DNA
28 <213> ORGANISM: Mus musculus
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <222> LOCATION: (1)...(656)
32 <223> OTHER INFORMATION: n = A,T,C or G
33 <400> SEQUENCE: 2
34        tatggcttca ctctgcacct tcgcctctgc agccacctgc tcgctgcccc cggccccctc 60
35        tggcccccttg aggccccccca gcttctgcct gtgctgtgat ccccccagcc gccggcacgg 120
36        ccccgcctcc gctgccccgg tggtggccca cggcccccccg gttgccagtg gtgaaactgg 180
37        agtcattgaa acgctggaat gaagagaggg gtttgtggtg tgaaaagggc gttcaggtac 240
38        tactgaccac catcggcgcc ttcgcggctt ttggcctcat gaccatcgcc atcagcactg 300
39        actactggct ctacacaaga gctctcatct gcaacaccac caacctcaca gcaggtgatg 360
40        acggaccacc ccatcgtggg ggcagtggct cctccgagaa gaaggaccct gggggcctca 420
41        cacattcagg cctctggcgg atatgctgcc tggaaggtag ggtgcaggaa ggccctggct 480
```
W--> 42   `ggccacctcc gntgaagcct gtgcctncag caaatcgact tntagtgttc tgagtctcaa 540`
W--> 43   `cccaaggnct tgaggggtgt gctttactgc tggaggcggn tnattccatg cacccctcca 600`
W--> 44   `tncctntnta caaatccctc ttctggggat tntngntgtt atttttattt tctttg    656`
```
46 <210> SEQ ID NO: 3
```

RAW SEQUENCE LISTING   DATE: 03/11/2002
PATENT APPLICATION: US/10/060,066   TIME: 11:38:41

Input Set : **N:\Crf3\02222002\J060066.raw**
Output Set: **N:\CRF3\03112002\J060066.raw**

```
    47 <211> LENGTH: 651
    48 <212> TYPE: DNA
    49 <213> ORGANISM: Mus musculus
    50 <220> FEATURE:
    51 <221> NAME/KEY: misc_feature
    52 <222> LOCATION: (1)...(651)
    53 <223> OTHER INFORMATION: n = A,T,C or G
    54 <400> SEQUENCE: 3
    55      cacaggtggg gctggctaca tcggcagcca cacggtattg gagctgctgg gagcaggcta 60
    56      ctcgcctgtg gtcattgaca acttccataa cgccattcgt ggagaagact ccatgcctga 120
    57      ggagcctgcg ccgggtccag gaattgacag gccgctctgt ggagtttgag gagatggaca 180
    58      tcttggacca ggcagcccta cagcacctct ttaagaagca cagctttaag gccgtcatcc 240
    59      actttgctgg cctcaaggct gtgggcgagt cagtgcagaa gcctctggac tactatagag 300
    60      ttaacttaac agggaccatc cagcttctag agatcatgag ggcccacgga gtgaagagcc 360
    61      tggtgttcag cagctcagcc accgtgtacg ggaacccca gtacctgcct ctggatgagg 420
    62      cccacccac ggggggctgt accaacccct acggcaagtc caagttcttc atcgaggaga 480
    63      tgatccggga cctgtgccgg gcagacacgg cctggaacgc cgtgctgctt cggtacttca 540
W--> 64      atcccatagg cgcccacgcc tctgggcgca tcggtgaaaa tnctcanggt attnccaaca 600
    65      acctcatgcc ctacgtctcc caggtggcaa tcgggcgaca agaggttcat t           651
    67 <210> SEQ ID NO: 4
    68 <211> LENGTH: 647
    69 <212> TYPE: DNA
    70 <213> ORGANISM: Mus musculus
    71 <400> SEQUENCE: 4
    72      aatggaaact gaaaacccaa aaactatgga agaaagcact gagaagagaa aagaagaaaa 60
    73      gaagaagcgc tcccgggtta aacaggtgct tgcagatatt gctaagcagg tggacttctg 120
    74      gtttggagat gcaaaccttc acaaggacaa gtttctgcga gagcaaattg aaaagtctag 180
    75      agatggatat gtggacattt ctctcctggt gtcttttaac aaaatgaaga agctgacaac 240
    76      tgatgggaag ctaatagcca gagcattgaa aagctcatct gttgtagagt tggacttaga 300
    77      agggaccaga atcaggagga aaaaacccct aggtgagaga ccaaaggacg aggaggaacg 360
    78      cacggtatat gtggagttgc tccccaaaaa tgttactcat agctggattg agagagtatt 420
    79      tgggaaatgt ggcaatgtgg tttacataag tattccacat tacaagtcta ctggggatcc 480
    80      taagggattt gcctttgtgg aatttgaaac aaaagagcaa gcagcaaaag ccattgagtt 540
    81      tctgaacaac ccaccagaag aagcacctag aaagcctggt atatttccca agacagtgaa 600
    82      aaacaagccc atcccttcct tacaagcaga agagaagaaa aagaaaa               647
    84 <210> SEQ ID NO: 5
    85 <211> LENGTH: 647
    86 <212> TYPE: DNA
    87 <213> ORGANISM: Mus musculus
    88 <220> FEATURE:
    89 <221> NAME/KEY: misc_feature
    90 <222> LOCATION: (1)...(647)
    91 <223> OTHER INFORMATION: n = A,T,C or G
    92 <400> SEQUENCE: 5
W--> 93      agtggggtct ttcaacggcg gacggnggtt acccgcggag tatgggatat ccagtatggc 60
W--> 94      acgagggagg aggtgtggtg gngtaccnag nacgactact gctcgggctc ggtcatgtcg 120
    95      gagcgtgtgt cgggcctggc gggctccatc taccgcgagt tcgagcgcct cattcactgc 180
W--> 96      tatgacgagg aggtggtcaa ggagctcatg ccgctggtgg tgaacgtgct ggagaaccnn 240
    97      gactcggtgc tgagcgagaa ccaggagcac gaggtggagc tggagctcct acgcgaggac 300
```

RAW SEQUENCE LISTING   DATE: 03/11/2002
PATENT APPLICATION: US/10/060,066   TIME: 11:38:41

Input Set : N:\Crf3\02222002\J060066.raw
Output Set: N:\CRF3\03112002\J060066.raw

```
      98        aacgagcagc tgctcacgca atacgagcgc gagaaggcgc tgcgcaaaca ggccgaggag 360
W--> 99        nngngtgtgc cccggncgcc gcctngagng acggngtgnn tagangtgca gnacccagnt 420
W--> 100        cngctcantc ggnagtatnc tgntgatgct gatgccgang ctgctggnta tgtgccactt 480
W--> 101        tntccatcca atngagacct aaancacagc ctgtgcaaag nccggnagac ntgngccccc 540
W--> 102        attcctgctg gnctctgacc ttggctgncg ccngctnnnt ctnggattnt attccttccc 600
W--> 103        gtcttnggag cagggtgcnc tagaatcaca aagcgccaga attctac          647
     105 <210> SEQ ID NO: 6
     106 <211> LENGTH: 645
     107 <212> TYPE: DNA
     108 <213> ORGANISM: Mus musculus
     109 <220> FEATURE:
     110 <221> NAME/KEY: misc_feature
     111 <222> LOCATION: (1)...(645)
     112 <223> OTHER INFORMATION: n = A,T,C or G
     113 <400> SEQUENCE: 6
W--> 114        agtttgtggg cattgcccca nctaanatat ccacaccggn accccgannt agaagactca 60
     115        gctgccaggc agaacactga agggaagcgg ctccaagtcg cttcagcctt taccctccgg 120
     116        ttccaggaca ggagagctct ctgcagtggg cagggatgaa gtttgaggac gtcccaattg 180
     117        cacacattaa agcaacctac aacaacacac agatccaggt agtctctgcc accaatgcgt 240
     118        ccctggcccg cgcctcctgt ggcacagaag gctttcgcaa tgccaagaag ggcaccggca 300
     119        tcgccgcaca gacagcaggc atagctgccg cagcaaaagc cacaggaaag ggagtgaccc 360
     120        acatcagagt cgtagtgaaa ggcatggggc caggacgctg gtctgccatc aaaggactga 420
     121        ccatgggggg tctggaagtg atctcaatca cagacaacac cccggtccca cacaatggct 480
     122        gccgaccccg gaaggctcga aggctgtgac gggaagggag cctgcacttg gacctggcct 540
     123        caggtcttga ctcctgtgga tcctacagaa ggcccactgt ggaagccgct ggagccggct 600
W--> 124        gttctcgagc cctncttggg gaaacactcc ttttctcgca ccgag          645
     126 <210> SEQ ID NO: 7
     127 <211> LENGTH: 636
     128 <212> TYPE: DNA
     129 <213> ORGANISM: Mus musculus
     130 <220> FEATURE:
     131 <221> NAME/KEY: misc_feature
     132 <222> LOCATION: (1)...(636)
     133 <223> OTHER INFORMATION: n = A,T,C or G
     134 <400> SEQUENCE: 7
W--> 135        acctgagtgc aaaacattnn aagaacactt tgagaagcac atattccagg aaacagaaag 60
     136        ctggtccaaa gccccggccc aaggatgtgt ttgacttttc taataattct gatgcctcaa 120
     137        gcataccggg agcactcgag gaagaagagg agacttacga aaccttcgac ccccctctgc 180
     138        acagtacggc tatctacgca gaagacgagc tgtccaaaca ctgtgtgtcc tccagttccc 240
     139        tggccaccca cagagggaag gcgagcagaa acttggaccc ttctgaagat gaagcaagtg 300
     140        gaaatgagtc tatcaaggtc agcacaaaaa agccaaggag aaagctggag cccatcagcg 360
     141        gcgagtcgga cagctctgca gatgatgtaa ggaggagggt ggcatctgca gaaggaccaa 420
     142        ggtcacagca acgccaggct gctcctgcag caccgtcacc ccctgagagg ccagccgagc 480
     143        cggtcactcc caggaggaca agactccaca gcgctcagct ctctcctgta gacgagacac 540
     144        cagcaaccca aagtcagctg gtgagcagtg ctcgcctccg ccctcgctcg ggagagaaga 600
W--> 145        gttcantaaa aagattaggg aggaataaag aggtct          636
     147 <210> SEQ ID NO: 8
     148 <211> LENGTH: 636
     149 <212> TYPE: DNA
```

RAW SEQUENCE LISTING   DATE: 03/11/2002
PATENT APPLICATION: US/10/060,066   TIME: 11:38:41

Input Set : **N:\Crf3\02222002\J060066.raw**
Output Set: **N:\CRF3\03112002\J060066.raw**

```
        150 <213> ORGANISM: Mus musculus
        151 <220> FEATURE:
        152 <221> NAME/KEY: misc_feature
        153 <222> LOCATION: (1)...(636)
        154 <223> OTHER INFORMATION: n = A,T,C or G
        155 <400> SEQUENCE: 8
W--> 156        atccagtagc aggcgggacg ccgcnggcga gtgcggngga ggagcagctn cgggcaggcn 60
W--> 157        gagggaggag gaagaggcgn angncgtgga gtacctggcc nanctgccgg tagccgntgc 120
W--> 158        tgctgcncgt gctggccnag ntgccagcta cggagctgnt gcaggcctgc cncctggtgt 180
W--> 159        gcctgcnctn gtaaggagct ggtggacngc gccccactgt ggctgntcaa gtgccagcag 240
W--> 160        gaggggctgg tgcccgaggn cagcgctgat gaggagcggg accactggca acagttctac 300
W--> 161        tttctgagca agangaggcg caacctgctg cgcaaccctt gtggggaaga ggacttggag 360
        162        ggctggagcg acgtggagca cggtggggac ggctggaagg tggaggaact gcccggagac 420
W--> 163        aatggggngg aatttaccca anatgacagc gttaagaaat acttcgcctc ctccttcgag 480
        164        tggtgtcgca aagcgcaggt cattgatctg caggcagagg gctactggga ggagctactg 540
W--> 165        gacaccaccc agcccgccat cgtggtgaag gactggtact cgggtcgcac ggntgcggnc 600
W--> 166        agcctgtatg agctcactgn gaggctgctg tcgtga                         636
        168 <210> SEQ ID NO: 9
        169 <211> LENGTH: 635
        170 <212> TYPE: DNA
        171 <213> ORGANISM: Mus musculus
        172 <220> FEATURE:
        173 <221> NAME/KEY: misc_feature
        174 <222> LOCATION: (1)...(635)
        175 <223> OTHER INFORMATION: n = A,T,C or G
        176 <400> SEQUENCE: 9
        177        acctgaggca atgtggctgg tagctaggtg cctgctgcgc aggacctgtg gaccgctggg 60
        178        cagggctgta tcgtctgccc tgtgggggggg ccctaggacc taggccccac tggtgggggc 120
        179        catgtaggag ttgcttggcc caaagtgttc atcaagacca gcctggaaga ggcctcagtg 180
        180        aagatgacat tcgcagggca cgggaggccc ggctcaggaa ggcaccccgg ccccagctga 240
        181        gtgatcgctc tcgtgaacgc aaggtgcctg cctcccgcat cagtcgcttg gccagctttg 300
        182        gggggctggc tgtgggcttg ggcctgggag cgctggctga ggtgactaag aagtccttgc 360
        183        caggtggaag tctgcagcat gagggcgtct ctggattggg ctccagtcct ttcctctccg 420
W--> 184        aggccaatgc tgagaggatc gngcagacct tatgtacagt ccggggggct gccctcaaga 480
        185        tcggccaaat gctcagtatc caggacaaca gctttatcag cccccagctt cagcgaatct 540
W--> 186        ttganagggt ccgacagagt gccgacttta tgccccgctg gcaaatgatg agagttctag 600
W--> 187        aaaagggagc tnggcaagga ctggcaaaga caagg                          635
        189 <210> SEQ ID NO: 10
        190 <211> LENGTH: 634
        191 <212> TYPE: DNA
        192 <213> ORGANISM: Mus musculus
        193 <220> FEATURE:
        194 <221> NAME/KEY: misc_feature
        195 <222> LOCATION: (1)...(634)
        196 <223> OTHER INFORMATION: n = A,T,C or G
        197 <400> SEQUENCE: 10
W--> 198        tgagtgccca tgggctaccc ctcaaanaca gtatcctgtt cctgaccgag gtgatgagtg 60
W--> 199        aggagctggc taaagagctg cagttggaag aagaagcggc tgctttccct gaagttgtgn 120
W--> 200        acgtnacaca gcacacagct cttgctgnaa cccatnttna cngtctgact gnngactgtn 180
```

```
W--> 201      attatacntn nacaaaaggg cncactcagn catgctnang aacannttan gcgtgaggna 240
W--> 202      aagaagtttc ancnggtgat agcaaagttt ccatttcgtt tgaaaactat cgcaaagttc 300
W--> 203      atccttttga agacagtgac agctctgaag acnaggttga ctggcaggac actcgagacg 360
     204      atccctacag accagcaaag ccaattccta ctcccaaaaa gggtttttatt ggaaaaggaa 420
     205      aagacatcac caccaagcat gatgaagtag tatgtggaag aaagaacaca ccaagaatgg 480
W--> 206      aaaattttgc ccttggcttt cangtagggg atggaattgg aatggatttg aaactatcca 540
W--> 207      accacgtttt taatgcctta aaacaacacg cctactcaga agagcgtcgg agcgcccgtn 600
W--> 208      tncacgagaa gaaggaacat tctacccgct gaaa                              634
     210 <210> SEQ ID NO: 11
     211 <211> LENGTH: 634
     212 <212> TYPE: DNA
     213 <213> ORGANISM: Mus musculus
     214 <220> FEATURE:
     215 <221> NAME/KEY: misc_feature
     216 <222> LOCATION: (1)...(634)
     217 <223> OTHER INFORMATION: n = A,T,C or G
     218 <400> SEQUENCE: 11
W--> 219      acctgagcgt cccgggctcc cgngtgtctc ccatggcgga tacgaccccg aacggccccc 60
     220      aaggggcggg cgctgtgcaa ttcatgatga ccaataaatt ggacacagca atgtggcttt 120
     221      ctcgcctgtt cacagtttat tgctccgctc tgttcgttct gcctcttctt gggttgcatg 180
     222      aagcagcgag cttttaccag cgtgctttgc tggccaatgc tctgaccagc gctctgaggc 240
     223      tgcatcagag attacctcac ttccagttga gcagagtgtt cctggctcag gccttgttag 300
     224      aggacagctg ccactacctg ctgtattcac tcatcttcgt caactcctac cctgtcacaa 360
     225      tgagtatttt tccagtcttg ctattttctt tgctccatgc tgccacatac actaagaagg 420
     226      tcctggacgc aaagggttca aatagtttac ctctgttgag atcattcttg gataaattaa 480
W--> 227      gtactaacca acaaaatatt ctgaaattca tcgcttgtaa tgaaanattc ttgatgcctg 540
W--> 228      ctacaggtnt tatgctcttt agnggccaag gaagnttgct ncancctttt ttatattatn 600
W--> 229      ganttcttac tcttcnatat tcctctagaa aaaa                              634
     231 <210> SEQ ID NO: 12
     232 <211> LENGTH: 633
     233 <212> TYPE: DNA
     234 <213> ORGANISM: Mus musculus
     235 <220> FEATURE:
     236 <221> NAME/KEY: misc_feature
     237 <222> LOCATION: (1)...(633)
     238 <223> OTHER INFORMATION: n = A,T,C or G
     239 <400> SEQUENCE: 12
     240      tttactagtt tggtgtttaa agtatgtcat acatggcaaa atttcgaaca ggacctgcat 60
     241      ccttttgtca cttttttattc tatttatttt ttctgctgat gatgggctta aagatgctgt 120
     242      ggccaaacgc agcatccttt ggacctcctt ttggacttga cctccttcca gaacttcatc 180
     243      cactaaatgc gcattcggga aacaaagctg acttccaaag gagtgataga atcaacatgg 240
     244      aaacaaacac caaggcttta aaaggcgctg gcatgactgt gctgccagcc aaagcctctg 300
     245      aggtgaacct ggaagaacta cctcctctga attacttttt acatgcattt tattacagtt 360
     246      ggtatggaaa tccacagttt gatggtaaat atatacactg gaatcatccg gtcctggaac 420
     247      actgggaccc tcggatagcc aagaactatc cacaaggaca acatagtcct ccagacgaca 480
     248      ttggctccag tttttatcct gagttaggaa gttacagctc tcgagaccct tctgtcatag 540
     249      aaactcacat gaaacaaatg cgctcagcct caattggttg ggaattattt tattttattt 600
W--> 250      atttatgngt atataaataa ttctggtgga caa                              633
     252 <210> SEQ ID NO: 13
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/060,066**

DATE: 03/11/2002
TIME: 11:38:42

Input Set : **N:\Crf3\02222002\J060066.raw**
Output Set: **N:\CRF3\03112002\J060066.raw**

```
L:42  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:43  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:44  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:64  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:93  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:94  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:96  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:99  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
```

VERIFICATION SUMMARY   DATE: 03/11/2002
PATENT APPLICATION: **US/10/060,066**   TIME: 11:38:42

Input Set : **N:\Crf3\02222002\J060066.raw**
Output Set: **N:\CRF3\03112002\J060066.raw**

L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14